

GILA RIVER BASIN

09484550 CIENEGA CREEK NEAR SONOITA, AZ

LOCATION--Lat 31°51'56", long 110°34'12", in SW_{1/4}NW_{1/4}SW_{1/4} sec. 13. Pima County, Hydrologic Unit 15050302, north of Sonoita.

DRAINAGE AREA--Undetermined.

PERIOD OF RECORD--Oct. 2001 to current year.

GAGE--Water-stage recorder and concrete weir. Elevation of gage is 4,180 ft above sea level, from topographic map.

REMARKS--Records fair. No known diversion above station.

EXTREMES FOR CURRENT YEAR--Peak discharge above 300 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Aug. 18.....	2330	*348	*8.31

Minimum daily discharge, 0.16 ft³/s, Aug. 8, 11, 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.44	0.58	0.79	0.94	1.00	1.3	1.0	0.70	0.38	0.19	0.33	0.32
2	0.44	0.60	0.80	0.91	1.0	1.2	1.3	0.67	0.36	0.18	0.20	0.33
3	0.44	0.62	0.80	0.91	1.1	1.3	2.5	0.65	0.34	0.18	0.19	0.33
4	0.45	0.64	0.80	0.89	1.1	1.7	2.1	0.63	0.34	0.18	0.19	0.37
5	0.45	0.65	0.80	0.90	1.0	1.5	1.6	0.61	0.32	0.19	0.18	0.37
6	0.45	0.65	0.80	0.90	1.0	1.3	1.4	0.59	0.31	0.19	0.18	0.33
7	0.51	0.66	0.82	0.91	1.1	1.3	1.3	0.59	0.30	0.18	0.17	0.31
8	0.49	0.66	0.83	0.90	1.1	1.3	1.2	0.60	0.30	0.22	0.16	0.30
9	0.52	0.67	0.81	0.90	1.1	1.3	1.1	0.62	0.29	0.26	0.42	0.27
10	4.6	0.68	0.83	0.90	1.1	1.3	1.1	0.60	0.29	0.29	0.17	0.27
11	3.3	0.72	0.83	0.91	1.1	1.3	1.1	0.58	0.29	0.26	0.16	0.26
12	0.80	0.79	0.85	0.90	1.1	1.3	1.1	0.56	0.28	0.26	0.16	0.25
13	0.57	0.83	0.84	0.90	1.1	1.7	1.0	0.56	0.27	0.28	0.17	0.24
14	0.55	0.75	0.85	1.00	1.1	1.6	0.93	0.55	0.25	1.8	1.6	0.25
15	0.54	0.75	0.84	0.99	1.1	1.4	0.88	0.54	0.25	0.36	0.30	0.27
16	0.54	0.75	0.84	0.95	1.2	1.3	0.86	0.49	0.25	0.31	0.26	0.27
17	0.53	0.75	0.84	0.94	1.2	1.3	0.83	0.48	0.24	0.29	0.23	0.29
18	0.52	0.75	0.85	0.93	1.2	1.3	0.85	0.47	0.23	0.30	21	0.33
19	0.51	0.76	0.85	0.93	1.2	1.3	0.84	0.45	0.21	0.29	22	0.37
20	0.50	0.76	0.86	0.93	1.2	1.2	0.83	0.44	0.21	0.27	1.4	0.36
21	0.50	0.76	0.86	0.92	1.2	1.2	0.81	0.45	0.22	0.24	0.60	0.35
22	0.49	0.75	0.86	1.0	1.2	1.2	0.78	0.45	0.26	0.24	0.51	0.34
23	0.50	0.75	0.86	0.98	1.2	1.2	0.78	0.45	0.26	0.28	0.45	0.34
24	0.50	0.77	0.87	0.95	1.3	1.2	0.78	0.45	0.24	0.33	0.49	0.30
25	0.50	0.78	0.88	0.95	1.2	1.1	0.76	0.44	0.22	0.33	0.48	0.30
26	0.51	0.78	0.88	0.94	1.2	1.1	0.73	0.45	0.21	0.33	0.43	0.34
27	0.55	0.76	0.87	0.98	1.2	1.0	0.73	0.44	0.22	7.8	0.38	0.33
28	0.55	0.78	0.88	0.99	1.4	1.0	0.71	0.42	0.21	11	0.39	0.31
29	0.55	0.79	0.88	0.99	1.3	0.98	0.68	0.42	0.20	0.57	0.38	0.30
30	0.55	0.79	0.89	1.00	--	0.95	0.70	0.41	0.19	0.18	0.36	0.31
31	0.57	--	0.91	1.0	--	0.99	--	0.39	--	0.17	0.32	--
TOTAL	22.92	21.73	26.17	29.14	33.30	39.12	31.28	16.15	7.94	27.95	54.26	9.31
MEAN	0.74	0.72	0.84	0.94	1.15	1.26	1.04	0.52	0.26	0.90	1.75	0.31
MAX	4.6	0.83	0.91	1.0	1.4	1.7	2.5	0.70	0.38	11	22	0.37
MIN	0.44	0.58	0.79	0.89	1.0	0.95	0.68	0.39	0.19	0.17	0.16	0.24
MED	0.51	0.75	0.85	0.93	1.1	1.3	0.87	0.49	0.25	0.27	0.33	0.31
AC - FT	45	43	52	58	66	78	62	32	16	55	108	18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	0.66	0.75	0.90	1.03	1.19	1.23	1.00	0.55	0.27	0.97	1.89	0.53
MAX	0.89	0.95	1.10	1.33	1.51	1.51	1.26	0.69	0.33	1.41	2.97	0.97
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2003	2003	2001
MIN	0.36	0.56	0.77	0.82	0.90	0.93	0.70	0.45	0.22	0.60	1.17	0.31
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2002	2001	2004

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 2001 - 2004

ANNUAL TOTAL	341.68	319.27		
ANNUAL MEAN	0.94	0.87	0.92	
HIGHEST ANNUAL MEAN			1.03	2001
LOWEST ANNUAL MEAN			0.87	2004
HIGHEST DAILY MEAN	54	Aug 26	54	Aug 26 2003
LOWEST DAILY MEAN	0.12	Jul 9	0.12	Jul 9 2003
ANNUAL SEVEN-DAY MINIMUM	0.14	Jul 4	0.18	Aug 2 2003
ANNUAL RUNOFF (AC-FT)	678		633	665
10 PERCENT EXCEEDS	0.95		1.2	1.4
50 PERCENT EXCEEDS	0.69		0.68	0.75
90 PERCENT EXCEEDS	0.24		0.24	0.27